

REMARKS

The instant application is being amended to more clearly recite Applicants' invention.

It is well understood that there are two forms of bipolar disorder, namely, bipolar I disorder and bipolar II disorder.

For example, as shown in the attached pages from the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) of the American Psychiatric Association (cited in the specification at page 2, lines 1-7), both bipolar I disorder and bipolar II disorder were recognized at the time the application was filed.

Further support for the amendments may be found in the identity of the cell lines used in the majority of the experiments described in the specification. Each of the *in vitro* experiments described therein were conducted using cell lines established from bipolar I patients. As shown in Table 4, cell lines from bipolar patients were obtained, with the patients being labeled A1-A6. As shown on the data sheets (enclosed herewith, printed from the Coriell website) for the cell lines listed in Table 4, each of the cell lines established from patients A1-A6 were from individuals diagnosed as having bipolar I disorder. As further indicated at page 44, lines 3-5, of the specification, the bipolar I cell lines shown in Table 4 where used in all of the *in vitro* experiments in the application (Examples 8-10 used samples from donors, Example 11 relates to unipolar disorder).

Table 4 (page 49) has also been amended to correct an error in the Coriell numbers. The numbers were inadvertently inserted into the table one number off when the table was originally constructed. For example, A1 should have used the Coriell number that was shown for A2, A2 should have used the number shown for A3, and so on throughout the table. The last entry in the table, N6, should have used the number shown for A1. Evidence for the corrections can be seen on the enclosed data sheets for each of the cell lines used, printed

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from the Coriell website. For example, it is clear that GM05977 is a cell line established from a 26 year old male having Type I bipolar disease.

The specification has been amended at page 6 to correct the name of the author at lines 27 and 32. The author's first name (Tamella) was inadvertently cited rather than the author's last name (Buss). The first page of this article is enclosed as evidence thereof.

No new matter has been added.

Entry and consideration of this Amendment are respectfully requested.

Respectfully submitted,



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